

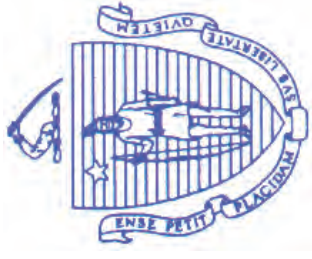


David E. Pierce
Director

Commonwealth of Massachusetts

Division of Marine Fisheries

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fax (617)626-1509



Charles D. Baker
Governor
Karyn E. Polito
Lieutenant Governor
Matthew A. Beaton
Secretary
George N. Peterson, Jr.
Commissioner
Mary-Lee King
Deputy Commissioner

Notice to Fixed Gear Fishermen

Industry-Based Survey for Gulf of Maine Cod



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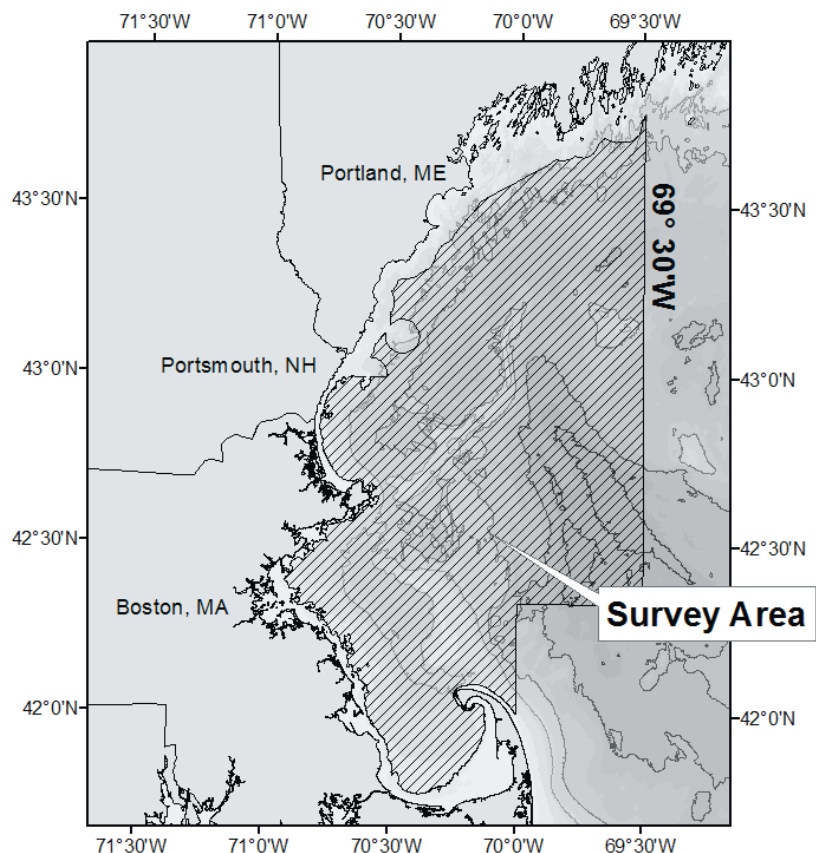
Industry-Based Survey for Gulf of Maine Cod

The Massachusetts Division of Marine Fisheries is initiating a collaborative research effort with the commercial groundfish industry to establish an industry-based trawl survey (IBS) to study Gulf of Maine (GOM) cod.

The purpose of the study is to collect biological information, abundance estimates, and distribution information with the goal of providing additional information to help inform management and support stock assessments. Although the primary species of focus is GOM cod, additional data will be collected to enhance the management of other **groundfish** and **lobster** stocks within the GOM.

The survey will take place this year from April through July and start again in October and end in January 2017. The survey is a stratified-random design and stations occur from 10 fathoms to 160 fathoms, including waters west of 69°30' within the GOM cod stock boundary.

The survey vessel will be completing tows that are 200 feet wide and 1.5 nautical miles long and as close as possible to the designated stations. Many of the tows are not straight line tows, rather they follow an edge or substrate type. Massachusetts Division of Marine Fisheries **requests fishermen to voluntarily assist by temporarily clearing the stations of fixed gear** during the



designated time period. Attached are several tables and maps that detail tow locations of upcoming survey cruises.

The vessel selected for the survey is the **F/V Miss Emily**, a western rigged stern trawler based out of Scituate, MA. The vessel details are below:

Vessel Name	Hull Number	Hull Color	Captain	Vessel Phone
Miss Emily	MS2892BE	Green	Kevin Norton	(781) 801-8888

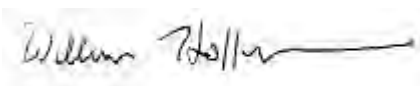
During the survey the F/V Miss Emily can be reached on **VHF Channel 16** or on vessel cell phone number shown in Table 1. At approximately 6:00 AM, on each day that the survey is conducted, announcements specifying the location of surveying activities will be made announced on VHF Channel 16.

Please note that the survey schedule may be affected by adverse weather conditions. Updates identifying when tows are planned and completed will be available from the following resources:

- Visit the Massachusetts Division of Marine Fisheries **cod IBS** webpage (www.mass.gov/dmf/codIBS) to view maps, and updates.
- **Real-time text alerts** that will update planned and completed tows. Sign up by visiting the cod IBS webpage and clicking the signup box.
- Announcements made on VHF Channel 16 the morning and day of each day that the survey is being conducted.
- Massachusetts Division of Marine Fisheries social media accounts.
- Contact William Hoffman at Massachusetts Division of Marine Fisheries at (978) 282-0308 ext. 106.
- Contact fishing vessels involved in the survey via VHF or cell phone.

Massachusetts Division of Marine Fisheries thanks all fishermen in advance for their cooperation. Through these efforts we are very optimistic that a successful survey can be achieved, resulting in improved stock assessments and improved fisheries management.

Thank you,



William Hoffman
Co-Principal Investigator
Senior Fisheries Biologist



Micah Dean
Co-Principal Investigator
Senior Fisheries Biologist

Industry Based Survey Tow Locations - April 2016

TOW	LAT	LON
1	43 37.723	69 35.045
2	43 31.131	69 36.574
3	43 31.366	69 43.332
4	43 21.700	70 11.941
5	43 16.140	70 07.545
6	43 11.018	70 17.451
7	43 02.063	70 27.208
8	43 29.082	69 47.716
9	43 27.001	69 57.970
10	43 19.745	69 45.394
11	43 16.764	69 54.858
12	43 22.200	69 38.356
13	43 27.360	69 34.621
14	43 02.253	69 50.747
42	43 04.545	69 56.752
43	43 01.665	70 08.533
46	43 06.848	70 01.093

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NOTE E
Trawlers or other vessels should exercise caution while
dragging the lower foot within a 6.7-mile radius of Isles
of Shoals Light since it is known that "A" rocks and
associated debris exist in the area.

NOTE F
The Neptune and Northeast Seaway Deepwater Ports
are encompassed by multiple boundaries including an Area to
Be Avoided, the Anchoring Areas, Regulated Navigation Areas,
and Safety and Security Zones. Refer to chart 73067.

NOTE G
The following activities are prohibited within
the Stellwagen Bank Marine Sanctuary:
Certain anchoring or dumping
Incidental exploring or dredging
Drilling and dredging
Towing historical artifacts
Lighting

NOTE H
Refer to 15 CFR 922 for details of Sanctuary
regulations.

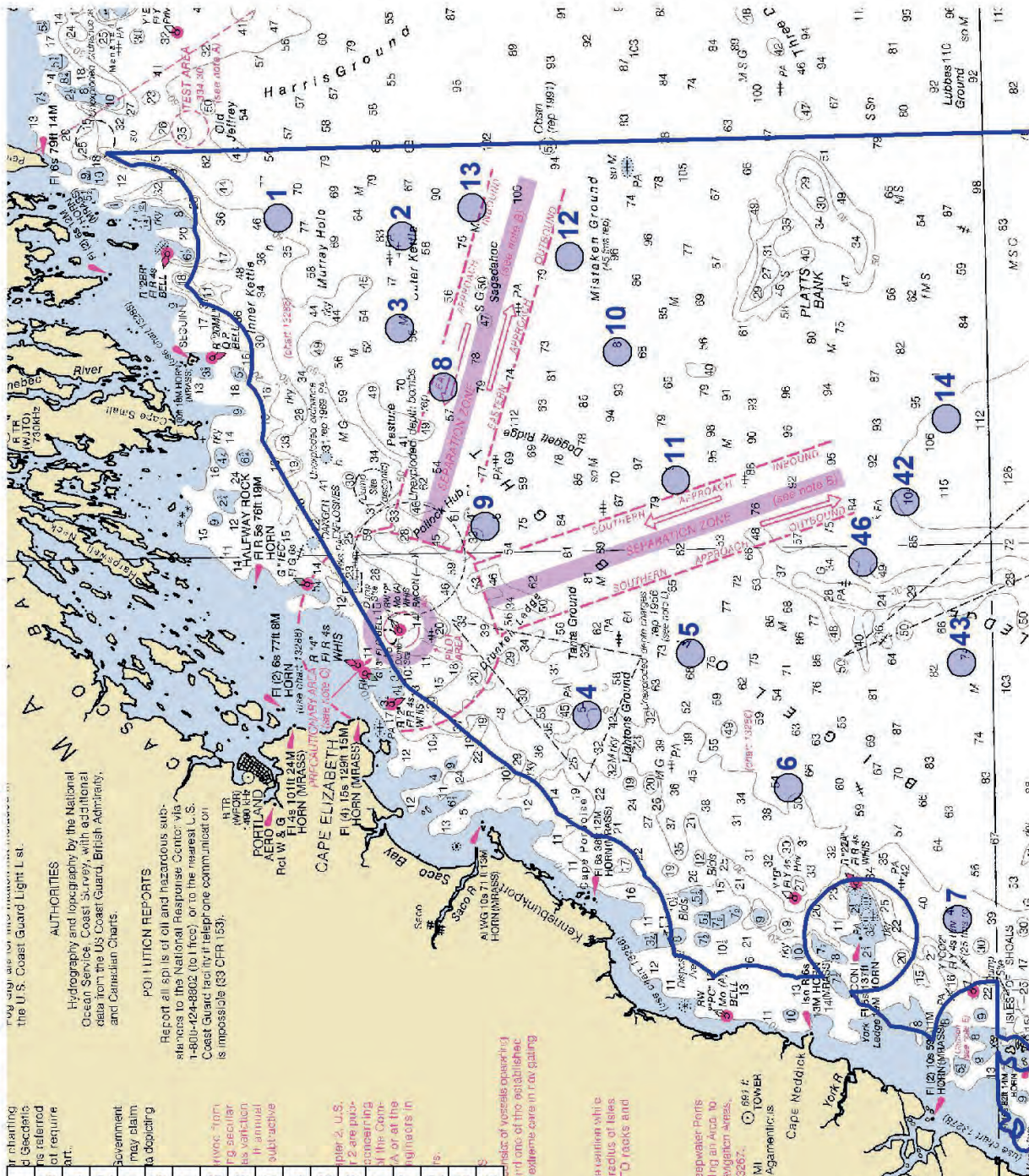
For any use of the information contained in this chart, the U.S. Coast Guard Light List.

AUTHORITIES

Hydrography and topography by the National
Ocean Service, Coast Survey, with additional
data from the US Coast Guard, British Admiralty,
and Canadian Charts.

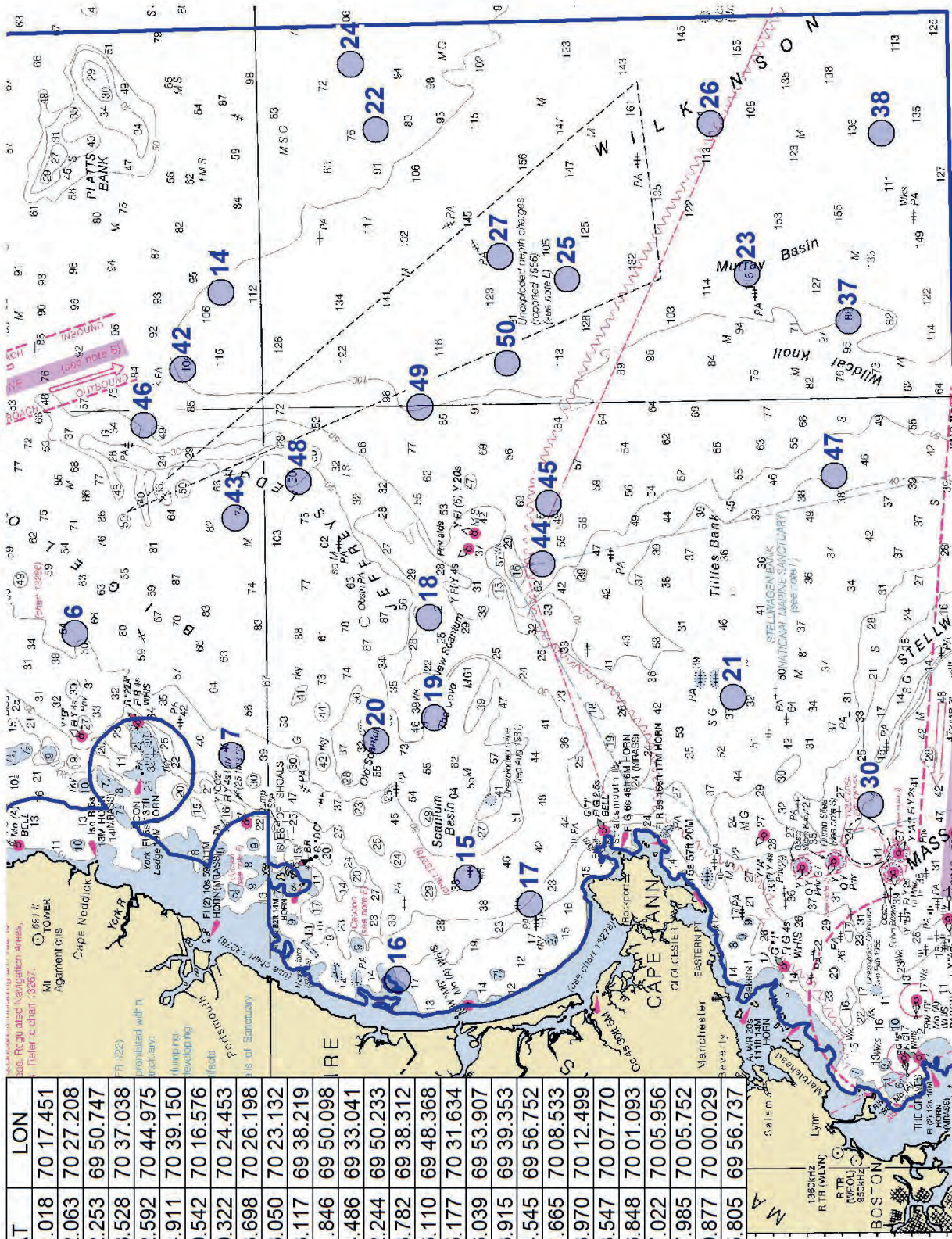
POSITION REPORTS

Report all spills of oil and hazardous sub-
stances to the National Response Center at
1-800-424-8802 (for 24 hr) or to the nearest U.S.
Coast Guard facility for telephone communication
is impossible (33 CFR 133).

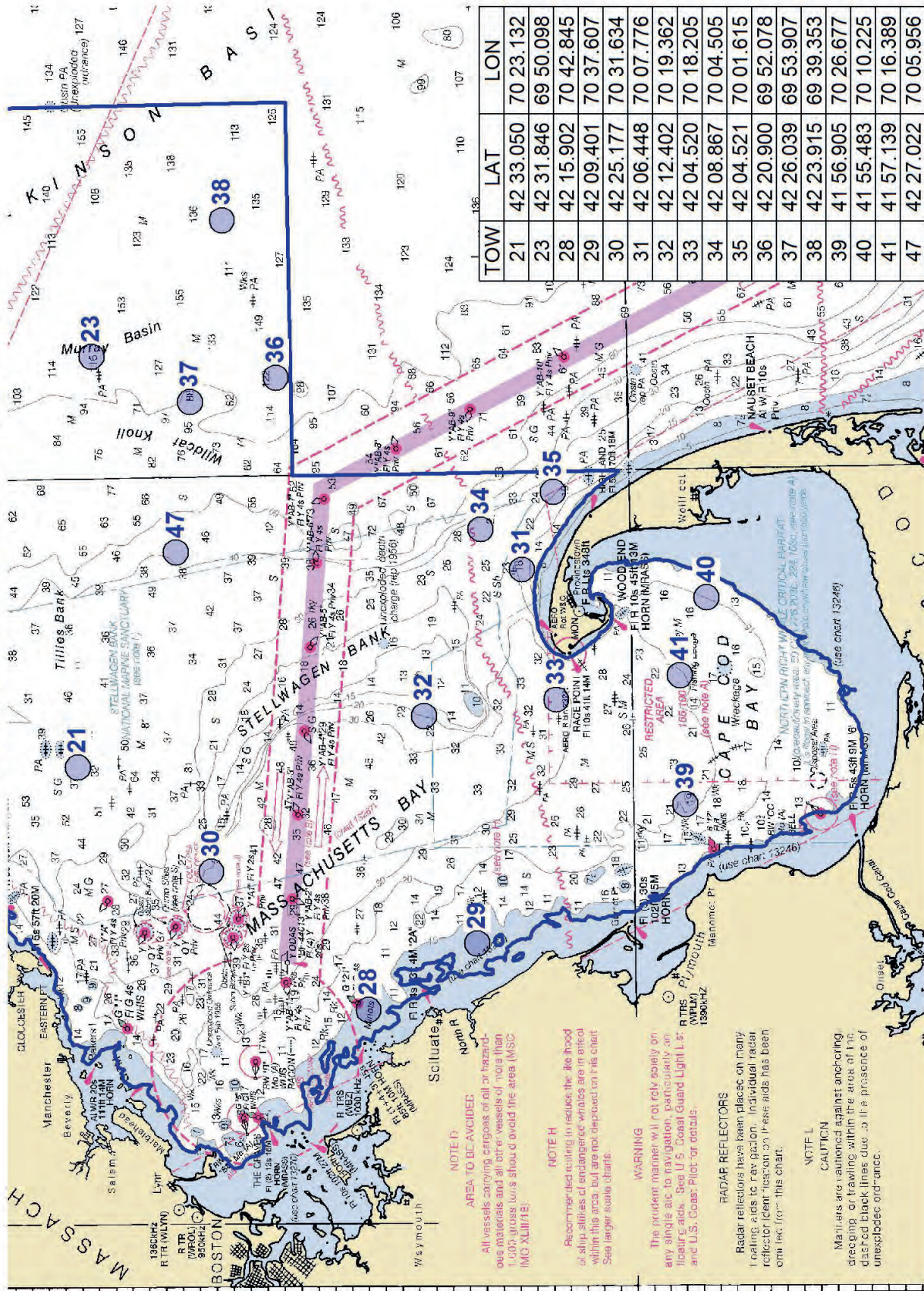


Industry Based Survey Tow Locations - April 2016

TOW	LAT	LON
6	43 11.018	70 17.451
7	43 02.063	70 27.208
14	43 02.253	69 50.747
15	42 48.528	70 37.038
16	42 52.592	70 44.975
17	42 44.911	70 39.150
18	42 50.542	70 16.576
19	42 50.322	70 24.453
20	42 53.698	70 26.198
21	42 33.050	70 23.132
22	42 53.117	69 38.219
23	42 31.846	69 50.098
24	42 54.486	69 33.041
25	42 42.244	69 50.233
26	42 33.782	69 38.312
27	42 46.110	69 48.368
30	42 25.177	70 31.634
37	42 26.039	69 53.907
38	42 23.915	69 39.353
42	43 04.545	69 56.752
43	43 01.665	70 08.533
44	42 43.970	70 12.499
45	42 43.547	70 07.770
46	43 06.848	70 01.093
47	42 27.022	70 05.956
48	42 57.985	70 05.752
49	42 50.877	70 00.029
50	42 45.805	69 56.737



Industry Based Survey Tow Locations - April 2016



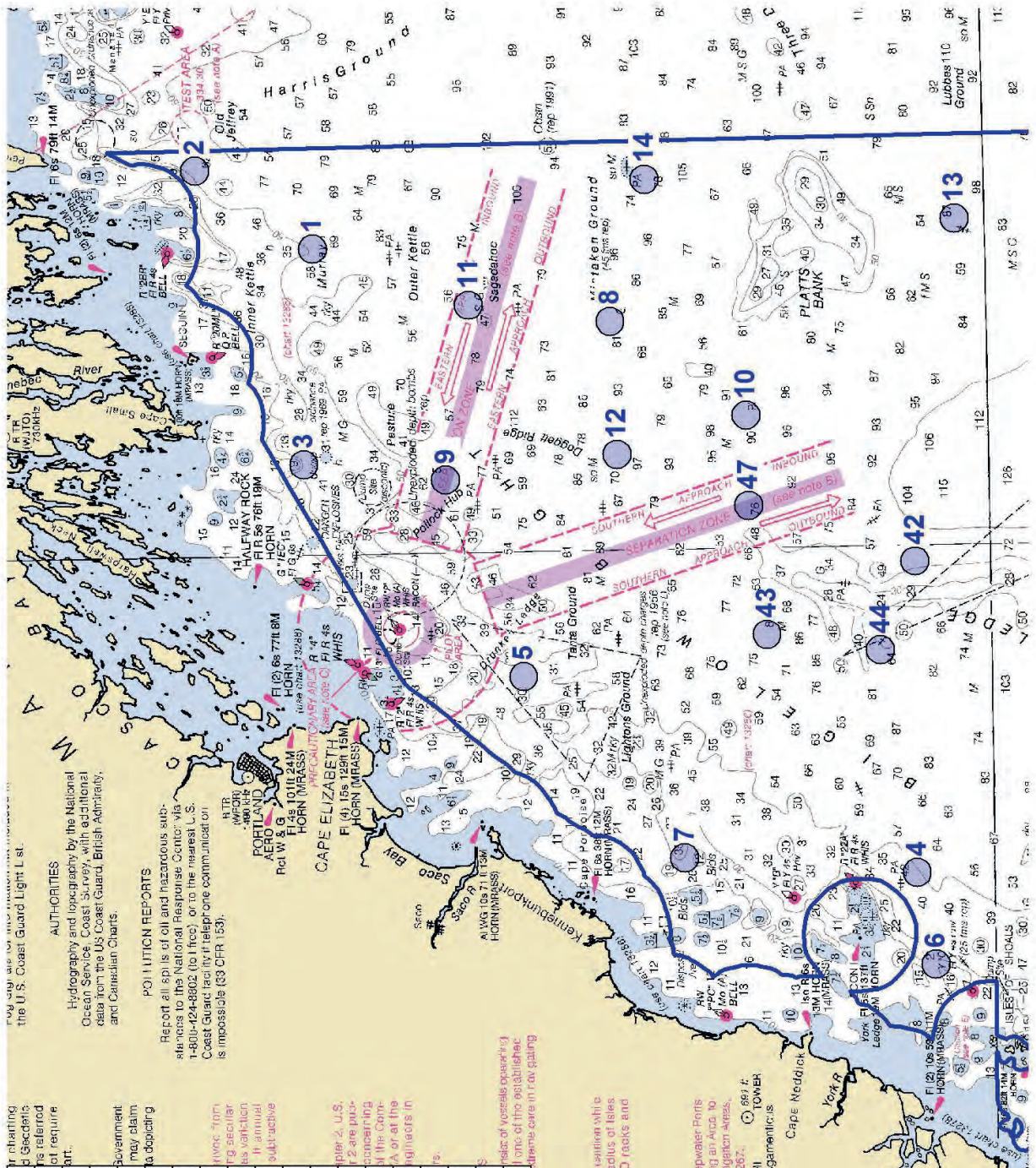
Industry Based Survey Tow Locations - May 2016

TOW	LAT	LON
1	43 35.919	69 37.398
2	43 42.109	69 31.465
3	43 36.610	69 53.240
4	43 04.159	70 23.784
5	43 25.051	70 09.068
6	43 03.212	70 30.490
7	43 16.580	70 22.507
8	43 20.097	69 43.146
9	43 29.051	69 54.549
10	43 12.924	69 50.217
11	43 27.648	69 41.756
12	43 19.857	69 52.898
13	43 01.586	69 36.162
14	43 18.103	69 32.807
42	43 04.028	70 01.080
43	43 12.005	70 06.243
44	43 05.958	70 07.509
47	43 12.872	69 56.812

For charting purposes, the U.S. Coast Guard Light List.

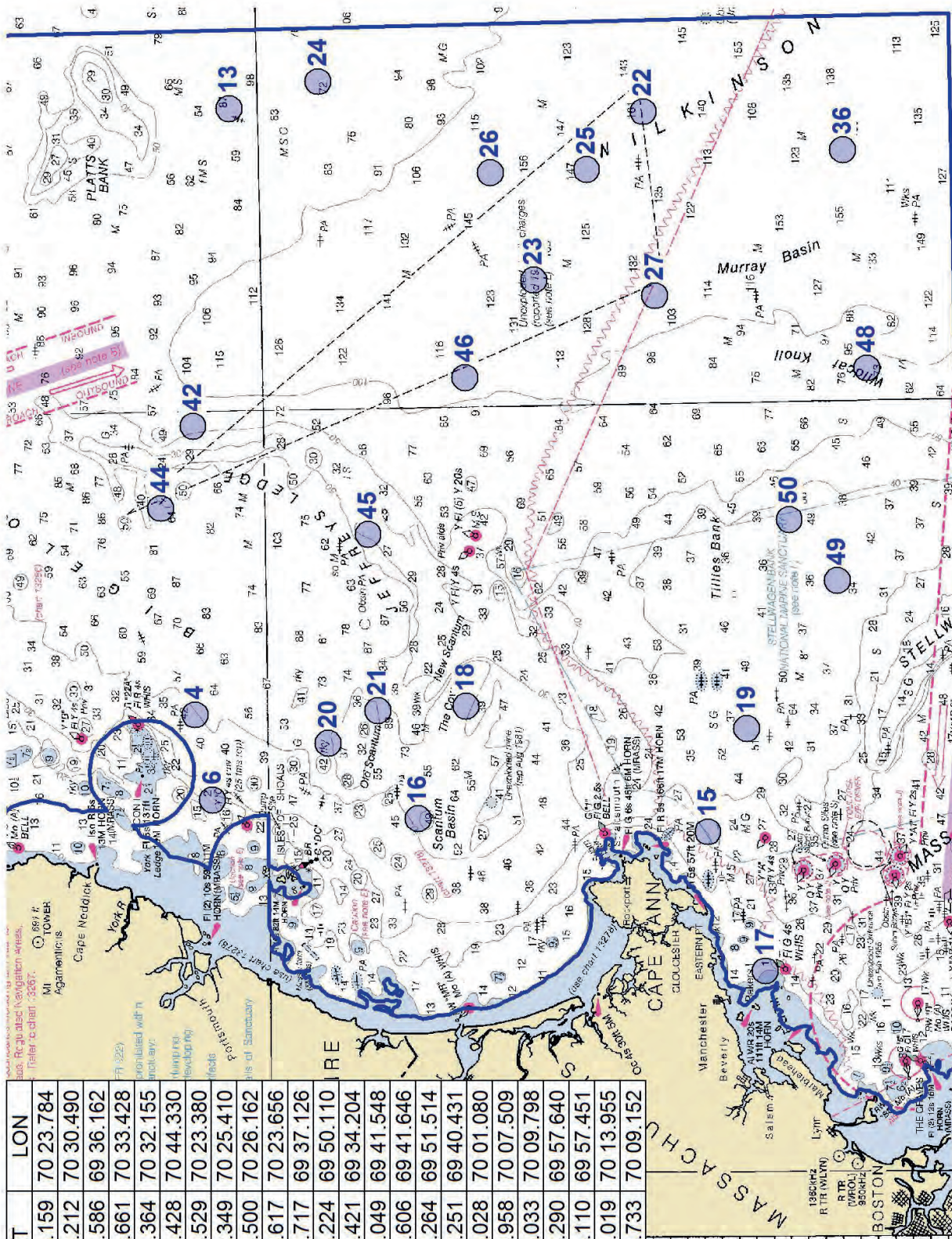
AUTHORITIES
Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the US Coast Guard, British Admiralty, and Canadian Charts.

POSITION REPORTS
Report all spills of oil and hazardous substances to the National Response Center (1-800-424-8802 (toll free)) or to the nearest U.S. Coast Guard facility in telephone communication is impossible (63 CFR 153).

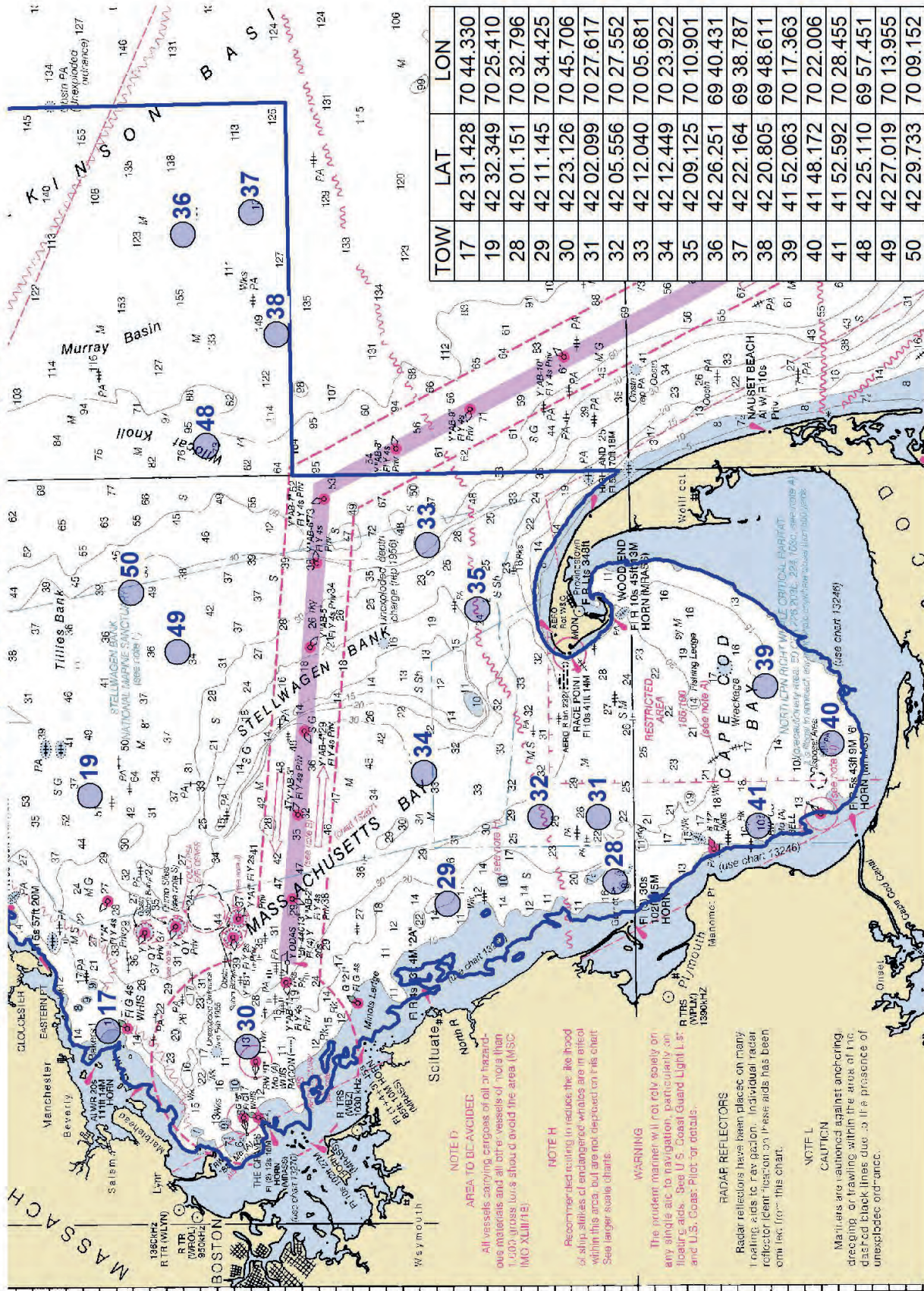


Industry Based Survey Tow Locations - May 2016

TOW	LAT	LON
4	43 04.159	70 23.784
6	43 03.212	70 30.490
13	43 01.586	69 36.162
15	42 34.661	70 33.428
16	42 51.364	70 32.155
17	42 31.428	70 44.330
18	42 48.529	70 23.380
19	42 32.349	70 25.410
20	42 56.500	70 26.162
21	42 53.617	70 23.656
22	42 37.717	69 37.126
23	42 44.224	69 50.110
24	42 56.421	69 34.204
25	42 41.049	69 41.548
26	42 46.606	69 41.646
27	42 37.264	69 51.514
36	42 26.251	69 40.431
42	43 04.028	70 01.080
44	43 05.958	70 07.509
45	42 54.033	70 09.798
46	42 48.290	69 57.640
48	42 25.110	69 57.451
49	42 27.019	70 13.955
50	42 29.733	70 09.152



Industry Based Survey Tow Locations - May 2016



Industry Based Survey Tow Locations - June 2016

TOW	LAT	LON
1	43 34.852	69 46.441
2	43 34.687	69 52.093
3	43 31.094	70 07.138
4	43 19.747	70 18.186
5	43 19.991	70 01.710
6	43 09.401	70 19.339
7	43 24.757	70 02.227
8	43 25.690	69 32.314
9	43 08.867	69 34.531
10	43 08.011	69 53.549
11	43 12.977	69 36.377
12	43 24.335	69 47.134
13	43 07.280	69 46.878
14	43 19.344	69 41.127
44	43 09.678	70 11.530
45	43 13.639	70 12.244
50	43 07.515	70 05.408

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NOTE E

Trawl vessels should exercise caution while
dragging the lower foot within a 6.7 mile radius of Isles
of Shoals Light since it is known that ATO rocks and
associated debris exist in the area.

NOTE I

DEEPWATER PORTS

The Neptune and Northeast Seaway Deepwater Ports
are encompassed by multiple boundaries including an ATO to
be avoided, the Anchoring Areas, Regulated Navigation Areas,
and Safety and Security Zones. Refer to chart 73067.

NOTE I

(forecast area 75 CFT 222)

The following activities are coordinated with the
Stallwagen Earth Marine Sanctuary:

Certain activities including
excavation or dredging
drilling and dredging
throwing historical artifacts
lighting

Refer to 15 CFT 922 for details of Sanctuary
regulations.

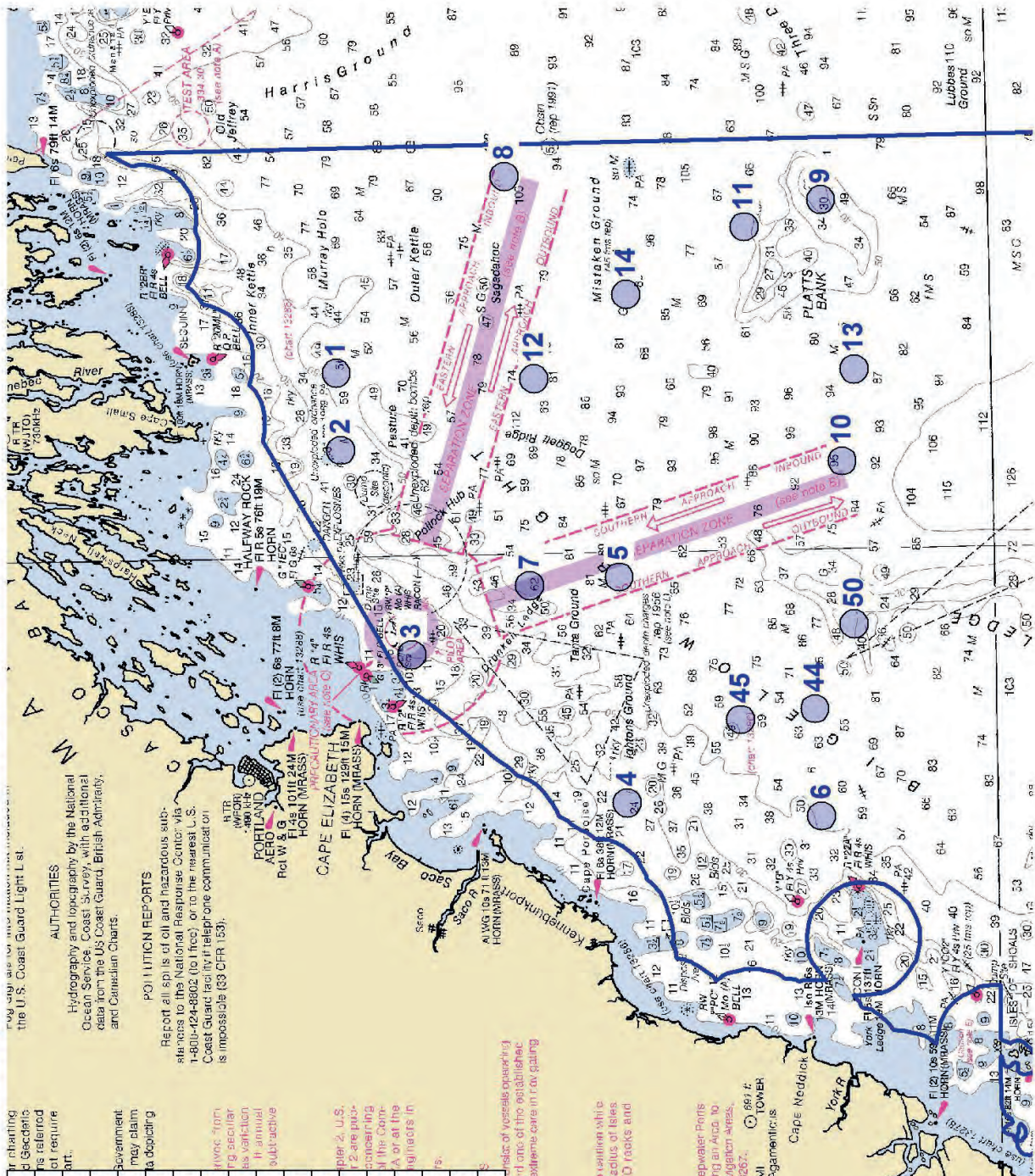
Tow charting and the National Hydrographic Survey of the U.S. Coast Guard Light List.

AUTHORITIES

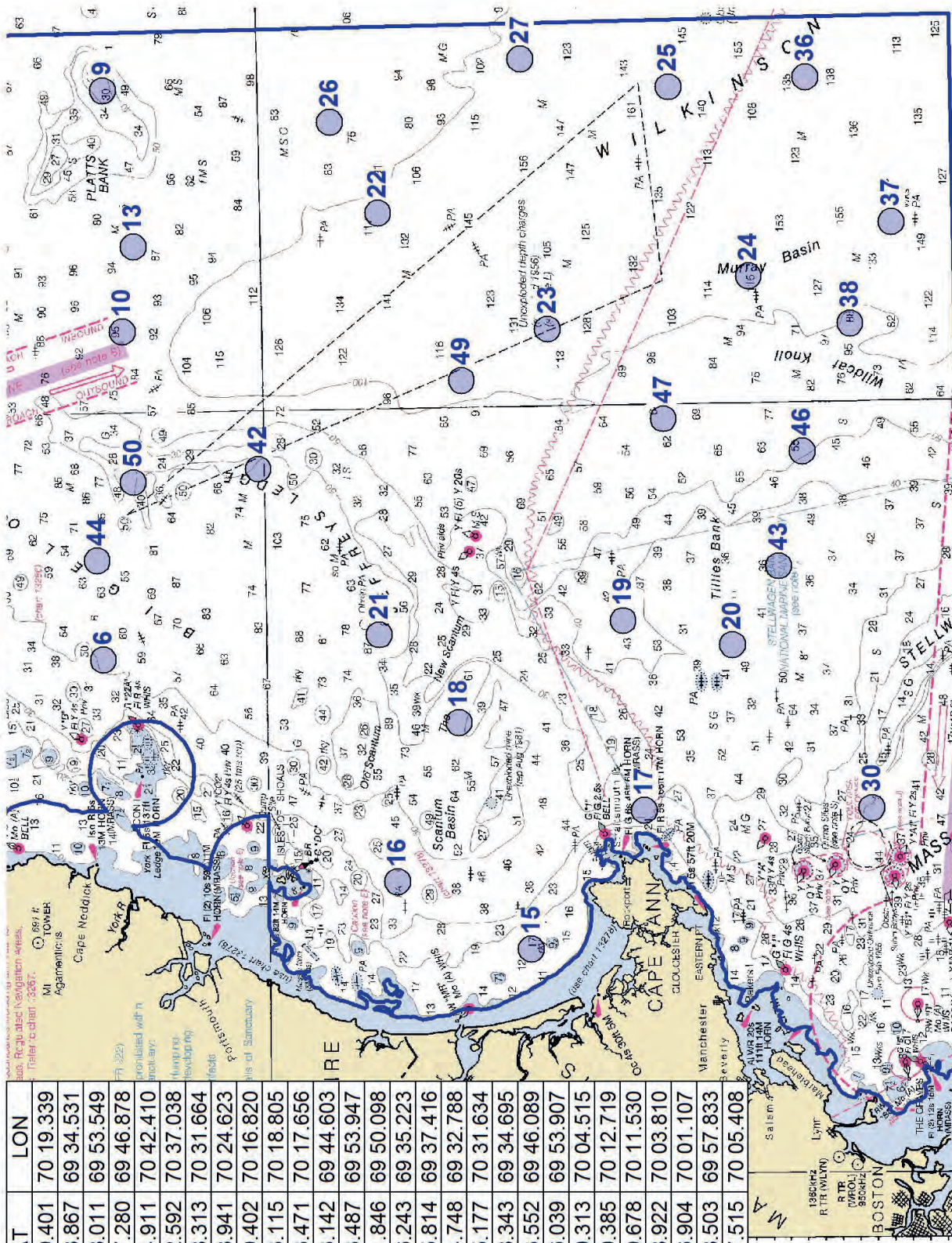
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POSITION REPORTS

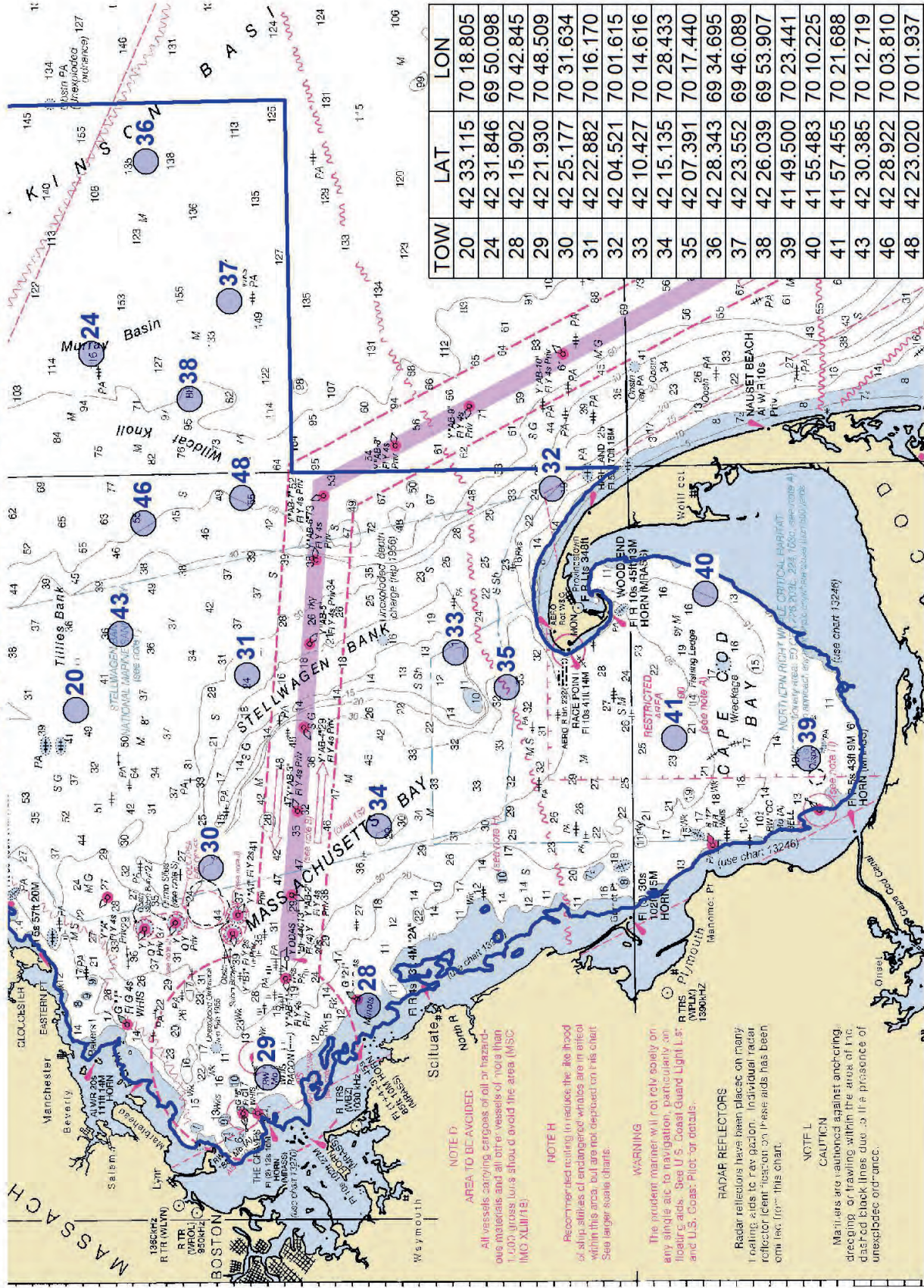
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TOW	LAT	Lon
6	43 09.401	70 19.339
9	43 08.867	69 34.531
10	43 08.011	69 53.549
13	43 07.280	69 46.878
15	42 44.911	70 42.410
16	42 52.592	70 37.038
17	42 38.313	70 31.664
18	42 48.941	70 24.623
19	42 39.402	70 16.820
20	42 33.115	70 18.805
21	42 53.471	70 17.656
22	42 53.142	69 44.603
23	42 43.487	69 53.947
24	42 31.846	69 50.098
25	42 36.243	69 35.223
26	42 55.814	69 37.416
27	42 44.748	69 32.788
30	42 25.177	70 31.634
36	42 28.343	69 34.695
37	42 23.552	69 46.089
38	42 26.039	69 53.907
42	43 00.313	70 04.515
43	42 30.385	70 12.719
44	43 09.678	70 11.530
46	42 28.922	70 03.810
47	42 36.904	70 01.107
49	42 48.503	69 57.833
50	43 07.515	70 05.408



Industry Based Survey Tow Locations - June 2016




TOW	LAT	LO
1	43 36.717	69 48.288
2	43 32.001	69 55.376
3	43 31.470	69 38.627
4	43 02.363	70 16.236
5	43 20.732	70 03.692
6	43 13.435	70 23.800
7	43 03.621	70 21.471
8	43 17.502	69 55.753
9	43 05.261	69 50.296
10	43 21.281	69 52.324
11	43 26.863	69 42.697
12	43 22.151	69 32.732
13	43 13.536	69 33.982
14	43 22.176	69 57.409

AUTHORITIES

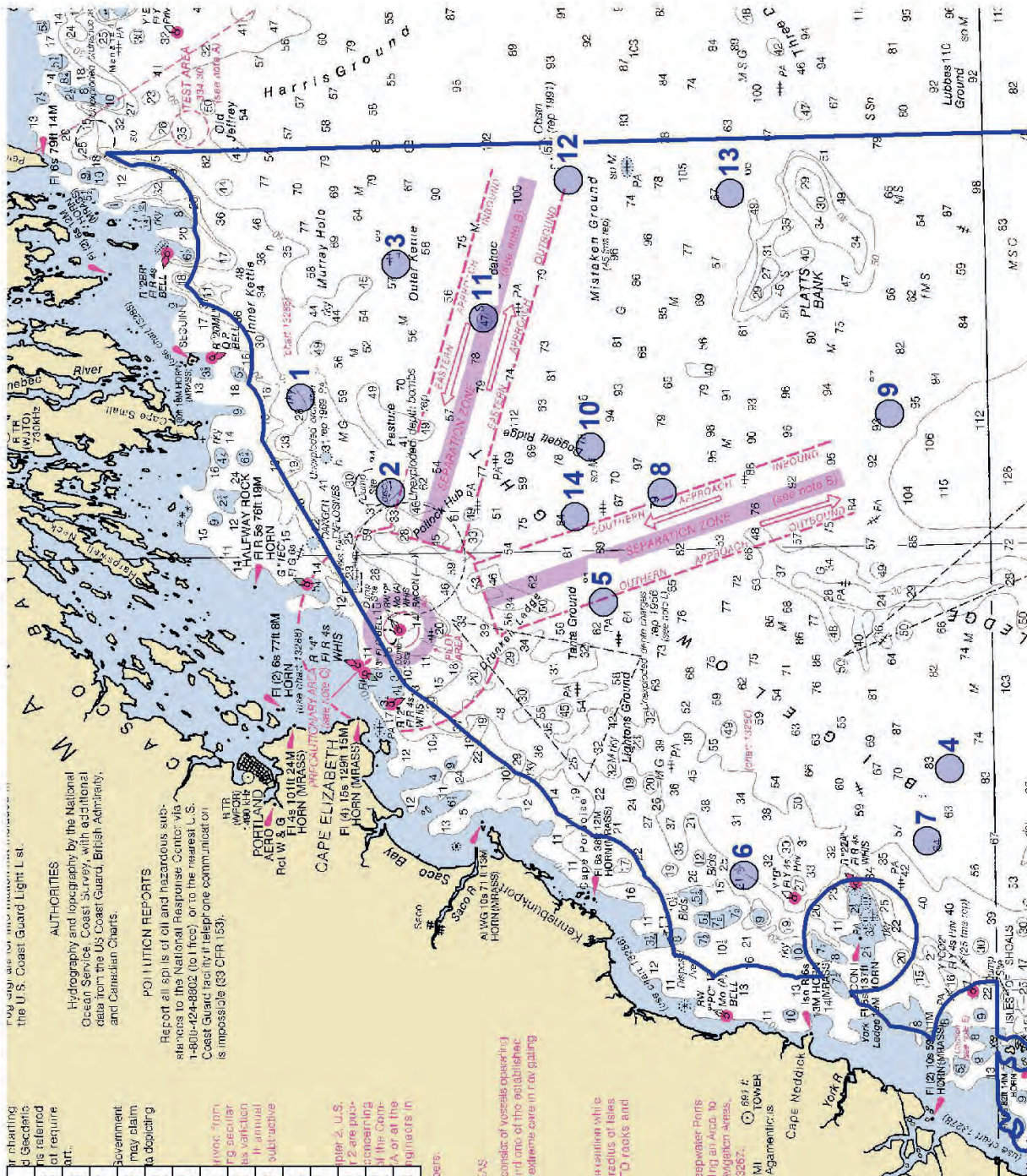
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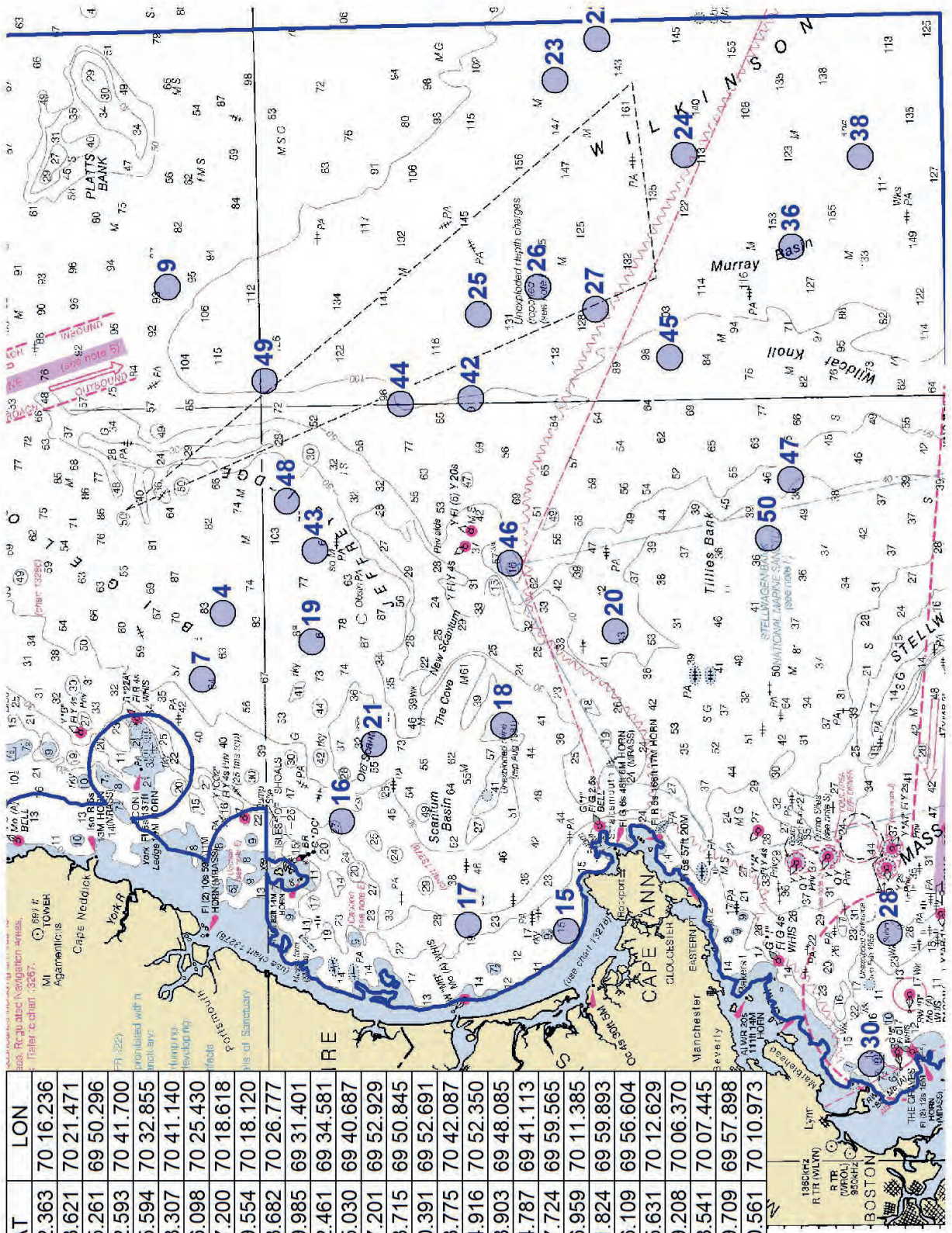

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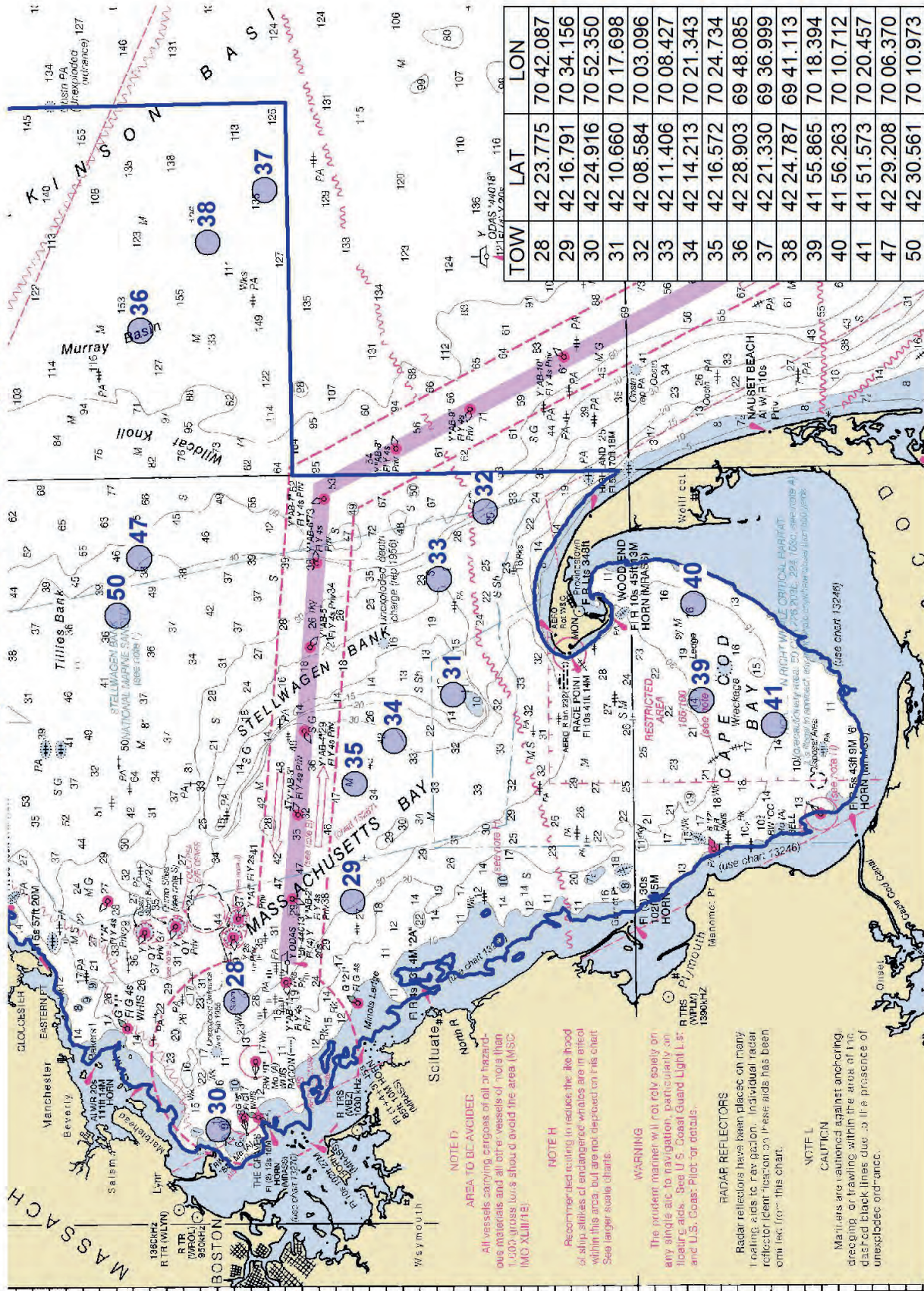


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TOW	LAT	LON
4	43 02.363	70 16.236
7	43 03.621	70 21.471
9	43 05.261	69 50.296
15	42 42.593	70 41.700
16	42 55.594	70 32.855
17	42 48.307	70 41.140
18	42 46.098	70 25.430
19	42 57.200	70 18.618
20	42 39.554	70 18.120
21	42 53.682	70 26.777
22	42 39.985	69 31.401
23	42 42.461	69 34.581
24	42 35.030	69 40.687
25	42 47.201	69 52.929
26	42 43.715	69 50.845
27	42 40.391	69 52.691
28	42 23.775	70 42.087
30	42 24.916	70 52.350
36	42 28.903	69 48.085
38	42 24.787	69 41.113
42	42 47.724	69 59.565
43	42 56.959	70 11.385
44	42 51.824	69 59.893
45	42 36.109	69 56.604
46	42 45.631	70 12.629
47	42 29.208	70 06.370
48	42 58.541	70 07.445
49	42 59.709	69 57.898
50	42 30.561	70 10.973



Industry Based Survey Tow Locations - July 2016



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